Nonlocality - A Review of some recent work

Cambridge Feb. 1984

Transparencies

13.) Kochen-Specker result (+FUNC)

→ 12.) Angular momentum on S^2

4.) ~~4~~ Kochen-Specker Paradox (Spin 1 example)

5.) ~~5~~ Two-Colour Theorem.

6.) Two-Colour Theorem in 2 dimensions

~~7~~ 7b) Belinfante's Proof of the 2-Colour Theorem

→ 13a.) FUNC cont'd. & Dvoichenizakion - Func'

13b.) Proof of FUNC

14.) Definition of $[A_B]^\phi$ & $[A_B]^\phi(c)$

14b.) Locality Remarks. OLOC

14-c) ≡ LOC.

16.) Redhead - Heywood result.

Func' + VR + FUNC + OLOC ⇒ Extended Statement of VR

P.T.O

14a) Definition of $[\otimes \otimes I]^{\phi}_{\{\langle A,B\rangle\}}(D,E)$

15.) Use of FUOC in Symbols

17.) CVR

18) CVR for separated systems

19) Incompatibility of CVR and locality

19a) Proof contd on FUOC***

8) Principle of Local Conservational Definitions (PLCD)